GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: August 25, 2002, 06:12:10 ; Search time 48.54 Seconds
(without alignments)
5424.786 Million cell updates/sec

Title: US-09-811-118-2
Perfect score: 1072
Sequence: 1 GACGCCGCCACCTCCGGAAC.....TTGCATCCAACATGAATTTC 1072

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 383533 seqs, 122816752 residues

Word size : 0

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	1072	100.0	1072	4	US-09-088-549-2	Sequence 2, Appli
	2	19	1.8	2000	1	US-07-923-739-1	Sequence 1, Appli
	3	19	1.8	4403765	4	US-09-103-840A-2	Sequence 2, Appli
	4	18	1.7	1763	6	5198542-1	Patent No. 5198542
c	5	18	1.7	2214	3	US-08-864-038A-1	Sequence 1, Appli
	6	18	1.7	2562	1	US-08-146-421-4	Sequence 4, Appli
c	7	18	1.7	3331	3	US-08-864-038A-2	Sequence 2, Appli
c	8	18	1.7	3331	3	US-08-864-038A-4	Sequence 4, Appli
	9	18	1.7	3494	4	US-09-139-802-200	Sequence 200, App
c	10	17	1.6	39	5	PCT-US95-06726-1	Sequence 1, Appli
	11	17	1.6	203	3	US-09-188-930-101	Sequence 101, App
c	12	17	1.6	435	4	US-08-569-147-75	Sequence 75, Appl
c	13	17	1.6	660	1	US-08-555-678-41	Sequence 41, Appl
c	14	17	1.6	1443	2	US-08-454-557C-13	Sequence 13, Appl
c	15	17	1.6	1443	2	US-08-340-426D-13	Sequence 13, Appl
c	16	17	1.6	1443	2	US-08-450-673C-13	Sequence 13, Appl
c	17	17	1.6	1443	5	PCT-US95-17111A-13	Sequence 13, Appl
c	18	17	1.6	1469	3	US-08-906-791-3	Sequence 3, Appli
c	19	17	1.6	1503	4	US-09-111-730-3	Sequence 3, Appli
c	20	17	1.6	1575	1	US-08-375-709-18	Sequence 18, Appl
c	21	17	1.6	1575	1	US-08-752-929-18	Sequence 18, Appl
	22	17	1.6	1824	3	US-08-948-564-13	Sequence 13, Appl
c	23	17	1.6	2028	1	US-08-295-814E-1	Sequence 1, Appli
c	24	17	1.6	2028	4	US-09-343-361-1	Sequence 1, Appli
c	25	17	1.6	2028	5	PCT-US93-01959-1	Sequence 1, Appli
c	26	17	1.6	2469	4	US-09-111-730-5	Sequence 5, Appli
c	27	17	1.6	2736	4	US-08-617-785-1	Sequence 1, Appli
	28	17	1.6	4325	1	US-08-453-924-2	Sequence 2, Appli
	29	17	1.6	4325	1	US-08-471-791-29	Sequence 29, Appl
	30	17	1.6	4325	5	PCT-US91-01746-29	Sequence 29, Appl
c	31	17	1.6	5975	1	US-08-920-812-23	Sequence 23, Appl
c	32	17	1.6	5975	1	US-08-920-827-23	Sequence 23, Appl
c	33	17	1.6	5975	1	US-08-921-177-23	Sequence 23, Appl
c	34	17	1.6	5975	1	US-08-362-577C-23	Sequence 23, Appl
c	35	17	1.6	5975	2	US-08-920-828-23	Sequence 23, Appl
	36	17	1.6	6854	1	US-08-468-036-4	Sequence 4, Appli
	37	17	1.6	6854	2	US-08-376-843-4	Sequence 4, Appli
c	38	17	1.6	12732	4	US-09-060-756-1	Sequence 1, Appli
c	39	17	1.6	37895	1	US-08-375-709-1	Sequence 1, Appli
c	40	17	1.6	37895	1	US-08-752-929-1	Sequence 1, Appli
c	41	17	1.6	37895	3	US-09-090-793-1	Sequence 1, Appli
	42	16	1.5	24	3	US-08-594-452-87	Sequence 87, Appl
	43	16	1.5	24	3	US-09-258-408-87	Sequence 87, Appl
	44	16	1.5	28	3	US-08-594-452-89	Sequence 89, Appl
	45	16	1.5	28	3	US-09-258-408-89	Sequence 89, Appl

ALIGNMENTS

RESULT 1
US-09-088-549-2
; Sequence 2, Application US/09088549
; Patent No. 6231853
; GENERAL INFORMATION:
; APPLICANT: HILLMAN, JENNIFER L.
; APPLICANT: CORLEY, NEIL C.
; APPLICANT: PATTERSON, CHANDRA
; TITLE OF INVENTION: HUMAN GLUTATHIONE PEROXIDASE-6
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/088,549
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0530 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1072 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNOT20
; CLONE: 1817518
US-09-088-549-2

Query Match 100.0%; Score 1072; DB 4; Length 1072;

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Qy     481 TGGAAAGGTGGTAGGGGCTTGGGACCCAACTGTGTCAGTGGAGGAGGTCAGACTCCAGAT 540
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Db     601 CCTCCTCCACCACCTCATCCCGCCCACCTGTGTGGGGCTGACCAATGCAAACTCAAATGG 660

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Db     661 TGCTTCAAAGGGAGAGACCCACTGACTCTCCTTCCTTTACTCTTATGCCATTGGTCCCAT 720

Qy     721 CATTCTTGTGGGGGAAAAATTCTAGTATTTTGATTATTTGAATCTTACAGCAACAAATAG 780
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Qy     781 GAACTCCTGGCCAATGAGAGCTCTTGACCAGTGAATCACCAGCCGATACGAACGTCTTGC 840
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Db     781 GAACTCCTGGCCAATGAGAGCTCTTGACCAGTGAATCACCAGCCGATACGAACGTCTTGC 840

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Qy     901 GTAAACTGGGACCAATGATTACCTCATAGGGCTGTTGTGAGGATTAGGATGAAATACCTG 960
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Qy     961 TGAAAGTGCCTAGGCAGTGCCAGCCAAATAGGAGGCATTCAATGAACATTTTTTGCATAT 1020
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Db    1021 AAACCAAAAAATAACTTGTTATCAATAAAAACTTGCATCCAACATGAATTTC 1072


RESULT   2
US-07-923-739-1
; Sequence 1, Application US/07923739
; Patent No. 5401835
;  GENERAL INFORMATION:
;    APPLICANT:  Chishti, Athar H.
;    TITLE OF INVENTION:  Human Erythroid p55 and Methods of Use
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harness, Dickey and Pierce
;      STREET:  5445 Corporate Drive
;      CITY:  Troy
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48098
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/923,739
;      FILING DATE:  19920731
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lewak, Anna M
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (313) 641-1600
;      TELEFAX:  (313) 641-0270
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2000 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  115..1512
;      IDENTIFICATION METHOD:  experimental
;      OTHER INFORMATION:  /product= "protein"
;      OTHER INFORMATION:  /evidence= EXPERIMENTAL
;      OTHER INFORMATION:  /note= "Polyadenylation consensus sequence is at
;      OTHER INFORMATION:  nucleic acid residues 1982-1987.  Amino acid
;      OTHER INFORMATION:  residues 165-233 represent the SH-3 motif."
;    PUBLICATION INFORMATION:
;      AUTHORS:  Andrabi, Khurshid
;      AUTHORS:  Rana, Ajay
;      AUTHORS:  Keeler, Marilyn
;      AUTHORS:  Maalouf, George
;      AUTHORS:  Bruns, Gail
;      AUTHORS:  Chishti, Athar
;      TITLE:  Human erythroid p55: Homolog of Drosophilia
;      TITLE:  tumor suppressor factor is highly conserved
;      TITLE:  X-linked gene product with guanylate kinase
;      TITLE:  activity
;      JOURNAL:  J. Biol. Chem.
;      DATE:  1992
;    PUBLICATION INFORMATION:
;      AUTHORS:  Ruff, Paul
;      AUTHORS:  Speicher, David W.
;      AUTHORS:  Husain-Chishti, A.
;      TITLE:  Molecular identification of a major
;      TITLE:  palmitoylated erythrocyte membrane protein
;      TITLE:  containing the src homology 3 motif
;      JOURNAL:  Proc. Natl. Acad. Sci. U.S.A.
;      VOLUME:  88
;      PAGES:  6595-6599
;      DATE:  August-1991
;      RELEVANT RESIDUES IN SEQ ID NO:  1: FROM 1 TO 2000
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;    PUBLICATION INFORMATION:
;      AUTHORS:  Husain-Chishti, Athar
;      AUTHORS:  Faquin, William
;      AUTHORS:  Wu, Chi-Chih
;      AUTHORS:  Branton, Daniel
;      TITLE:  Purification of Erthrocyte of Dematin
;      TITLE:  (Protein 4.9) Reveals an Endogenous Protein Kinase
;      TITLE:  That Modulates Actin-bundling Activity
;      JOURNAL:  J. Biol. Chem.
;      VOLUME:  264
;      ISSUE:  15
;      PAGES:  8985-8991
;      DATE:  5-25-1989
US-07-923-739-1


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Db   1344 AGCCCTGCAGCAGCTGCAG 1362


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US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
;  APPLICANT: FLEISCHMAN, Robert D.
;  APPLICANT:  WHITE, Owen R.
;  APPLICANT:  FRASER, Claire M.
;  APPLICANT:  VENTER, John C.
;  TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
;  TITLE OF INVENTION:  TUBERCULOSIS
;  FILE REFERENCE: 24366-20007.00
;  CURRENT APPLICATION NUMBER: US/09/103,840A
;  CURRENT FILING DATE:  1998-06-24
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 4403765
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
;   FEATURE:
;   OTHER INFORMATION: CDC 1551
;   OTHER INFORMATION: "n" bases at various positions throughout the sequence
;   OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2


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  Best Local Similarity   100.0%;  Pred. No. 5.5;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db 3232175 gccctgcagcagctgcagc 3232193


RESULT   4
5198542-1
;Patent No. 5198542
;    APPLICANT: ONDA, HARUO;ARIMURA, AKIRA;KIMURA, CHIHARU
;KITADA, CHIEKO
;    TITLE OF INVENTION: DNA ENCODING A PITUITARY ADENYLATE CYCLASE
;ACTIVATING PROTEIN AND USE THEREOF
;    NUMBER OF SEQUENCES: 16
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/540,105
;      FILING DATE: 10-JUN-1990
;SEQ ID NO:1:
;      LENGTH: 1763
5198542-1


  Query Match             1.7%;  Score 18;  DB 6;  Length 1763;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     90 AGCAGGACTTCTACGACT 107
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Db    725 agcaggacttctacgact 742


RESULT   5
US-08-864-038A-1/c
; Sequence 1, Application US/08864038A
; Patent No. 6001592
;  GENERAL INFORMATION:
;    APPLICANT:  Kunio NAKASHIMA et al.
;    TITLE OF INVENTION:  NOVEL POLYPEPTIDE GENE cDNA, VECTOR
;    TITLE OF INVENTION:  CONTAINING SAID cDNA, HOST CELLS TRANSFORMED WITH SAID
;    TITLE OF INVENTION:  VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
;    TITLE OF INVENTION:  SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBOD
;    TITLE OF INVENTION:  TO SAID POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  812-5 Hirano
;      STREET:  Isshinden
;      CITY:  Tsu-city
;      STATE:  Mie-prefecture
;      COUNTRY:  JAPAN
;      ZIP:  514-01
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 MB storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Microsoft Windows 95
;      SOFTWARE:  Word Perfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/864,038A
;      FILING DATE:  May 28, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 8-184459
;      FILING DATE:  15-July-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  C. Bruce Hamburg
;      REGISTRATION NUMBER:  22,389
;      REFERENCE/DOCKET NUMBER:  F-5610
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)986-2340
;      TELEFAX:  (212)953-7733
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2214
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Pinctada fucata
;      CELL TYPE:  mantle epithelial cell
US-08-864-038A-1


  Query Match             1.7%;  Score 18;  DB 3;  Length 2214;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    599 CTCCTCCTCCACCACCTC 616
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Db   1039 CTCCTCCTCCACCACCTC 1022


RESULT   6
US-08-146-421-4
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; Sequence 4, Application US/08146421
; Patent No. 5543499
;  GENERAL INFORMATION:
;    APPLICANT:  BREWER, GARY
;    TITLE OF INVENTION:  DNA SEQUENCE ENCODING A POLYPEPTIDE WITH
;    TITLE OF INVENTION:  ANTI-TUMOR PROPERTIES
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DILWORTH & BARRESE
;      STREET:  4350 LA JOLLA VILLAGE DRIVE, SUITE 300
;      CITY:  SAN DIEGO
;      STATE:  CALIFORNIA
;      COUNTRY:  U.S.A.
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,421
;      FILING DATE:  29-OCT-1993
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  PEPPER PH.D., FREDERICK W.
;      REGISTRATION NUMBER:  31,286
;      REFERENCE/DOCKET NUMBER:  489-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-546-4410
;      TELEFAX:  619-453-2839
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2562 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  246..1106
US-08-146-421-4


  Query Match             1.7%;  Score 18;  DB 1;  Length 2562;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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US-08-864-038A-2/c
; Sequence 2, Application US/08864038A
; Patent No. 6001592
;  GENERAL INFORMATION:
;    APPLICANT:  Kunio NAKASHIMA et al.
;    TITLE OF INVENTION:  NOVEL POLYPEPTIDE GENE cDNA, VECTOR
;    TITLE OF INVENTION:  CONTAINING SAID cDNA, HOST CELLS TRANSFORMED WITH SAID
;    TITLE OF INVENTION:  VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
;    TITLE OF INVENTION:  SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
;    TITLE OF INVENTION:  TO SAID POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  812-5 Hirano
;      STREET:  Isshinden
;      CITY:  Tsu-city
;      STATE:  Mie-prefecture
;      COUNTRY:  JAPAN
;      ZIP:  514-01
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 MB storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Microsoft Windows 95
;      SOFTWARE:  Word Perfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/864,038A
;      FILING DATE:  May 28, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 8-184459
;      FILING DATE:  15-July-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  C. Bruce Hamburg
;      REGISTRATION NUMBER:  22,389
;      REFERENCE/DOCKET NUMBER:  F-5610
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)986-2340
;      TELEFAX:  (212)953-7733
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3331
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Pinctada fucata
;      CELL TYPE:  mantle epithelial cell
;    FEATURE:  mRNA
;      LOCATION:  from 1 to 3331
;      IDENTIFICATION METHOD:  E (by experiment)
US-08-864-038A-2


  Query Match             1.7%;  Score 18;  DB 3;  Length 3331;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     599 CTCCTCCTCCACCACCTC 616
           ||||||||||||||||||
Db    1088 CTCCTCCTCCACCACCTC 1071


RESULT   8
US-08-864-038A-4/c
; Sequence 4, Application US/08864038A
; Patent No. 6001592
;  GENERAL INFORMATION:
;    APPLICANT:  Kunio NAKASHIMA et al.
;    TITLE OF INVENTION:  NOVEL POLYPEPTIDE GENE cDNA, VECTOR
;    TITLE OF INVENTION:  CONTAINING SAID cDNA, HOST CELLS TRANSFORMED WITH SAID
;    TITLE OF INVENTION:  VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
;    TITLE OF INVENTION:  SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBOD
;    TITLE OF INVENTION:  TO SAID POLYPEPTIDE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  812-5 Hirano
;      STREET:  Isshinden
;      CITY:  Tsu-city
;      STATE:  Mie-prefecture
;      COUNTRY:  JAPAN
;      ZIP:  514-01
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 MB storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Microsoft Windows 95
;      SOFTWARE:  Word Perfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/864,038A
;      FILING DATE:  May 28, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 8-184459
;      FILING DATE:  15-July-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  C. Bruce Hamburg
```

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;       REGISTRATION NUMBER:  22,389
;       REFERENCE/DOCKET NUMBER:  F-5610
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212)986-2340
;       TELEFAX:  (212)953-7733
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3331
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA to mRNA
;     ORIGINAL SOURCE:
;       ORGANISM:  Pinctada fucata
;       CELL TYPE:  mantle epithelial cell
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  from 50 to 2263
;       IDENTIFICATION METHOD:  P (by similarity to some other pattern)
US-08-864-038A-4


  Query Match             1.7%;  Score 18;  DB 3;  Length 3331;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     599 CTCCTCCTCCACCACCTC 616
           ||||||||||||||||||
Db    1088 CTCCTCCTCCACCACCTC 1071


RESULT   9
US-09-139-802-200
; Sequence 200, Application US/09139802
; Patent No. 6180084
; GENERAL INFORMATION:
;  APPLICANT: Ruoslahti, Erkki
;  APPLICANT: Pasqualini, Renata
;  TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
;  TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
;  TITLE OF INVENTION: Same
;  FILE REFERENCE: P-LJ 3203
;  CURRENT APPLICATION NUMBER: US/09/139,802
;  CURRENT FILING DATE: 1998-08-25
;  EARLIER APPLICATION NUMBER: 08/926,914
;  EARLIER FILING DATE: 1997-09-10
;  EARLIER APPLICATION NUMBER: 08/710,067
;  EARLIER FILING DATE: 1996-09-10
;  NUMBER OF SEQ ID NOS: 226
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 200
;   LENGTH: 3494
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (121)..(3024)
US-09-139-802-200


  Query Match             1.7%;  Score 18;  DB 4;  Length 3494;
  Best Local Similarity   100.0%;  Pred. No. 20;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     439 GGAGCCCACCTGGAACTT 456
           ||||||||||||||||||
Db    1395 ggagcccacctggaactt 1412


RESULT  10
PCT-US95-06726-1/c
; Sequence 1, Application PC/TUS9506726
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Ligands for Induction of Antigen Specific       Apoptosis i
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 STATE STREET, suite 510
;      CITY:  BOSTON
;      STATE:  MASSACHUSETTS
;      COUNTRY:  USA
;      ZIP:  02109-1875
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/06726
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/253,783
;      FILING DATE:  03 JUNE 1994
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Amy E. Mandragouras
;      REGISTRATION NUMBER:  36,207
;      REFERENCE/DOCKET NUMBER:  RPI-016PC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)227-7400
;      TELEFAX:  (617)227-5941
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  39 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
PCT-US95-06726-1


  Query Match             1.6%;  Score 17;  DB 5;  Length 39;
  Best Local Similarity   100.0%;  Pred. No. 66;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      20 CAAGCCATGGTGGCGGC 36
           |||||||||||||||||
Db      32 CAAGCCATGGTGGCGGC 16


RESULT  11
US-09-188-930-101
; Sequence 101, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
;  APPLICANT: Watson, James D.
;  APPLICANT: Strachan, Lorna
;  APPLICANT: Sleeman, Matthew
;  APPLICANT: Onrust, Rene
;  APPLICANT: Murison, James Greg
;  TITLE OF INVENTION: Compositions Isolated From Skin Cells
;  TITLE OF INVENTION: and Methods For Their Use
;  FILE REFERENCE: 11000.1011c1
;  CURRENT APPLICATION NUMBER: US/09/188,930A
;  CURRENT FILING DATE: 1998-11-09
;  NUMBER OF SEQ ID NOS: 348
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
;   LENGTH: 203
;   TYPE: DNA
;   ORGANISM: mouse
US-09-188-930-101
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  Query Match             1.6%;  Score 17;  DB 3;  Length 203;
  Best Local Similarity   100.0%;  Pred. No. 64;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     969 CCTAGGCAGTGCCAGCC 985
           |||||||||||||||||
Db     185 cctaggcagtgccagcc 201


RESULT  12
US-08-569-147-75/c
; Sequence 75, Application US/08569147
; Patent No. 6180377
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  HUMANISED ANTIBODIES
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz &
;      ADDRESSEE:  No. 6180377ris, LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/569,147
;      FILING DATE:  25-March-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Trujillo, Doreen Yatko
;      REGISTRATION NUMBER:  35,719
;      REFERENCE/DOCKET NUMBER:  CARP-0047
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  75:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  435 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  16..435
US-08-569-147-75


  Query Match             1.6%;  Score 17;  DB 4;  Length 435;
  Best Local Similarity   100.0%;  Pred. No. 63;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      20 CAAGCCATGGTGGCGGC 36
           |||||||||||||||||
Db      23 CAAGCCATGGTGGCGGC 7


RESULT  13
US-08-555-678-41/c
; Sequence 41, Application US/08555678
; Patent No. 5763174
;  GENERAL INFORMATION:
;    APPLICANT:  Nishikura, Kazuko
;    TITLE OF INVENTION:  RNA Editing Enzyme and Methods
;    TITLE OF INVENTION:  of Use Thereof
;    NUMBER OF SEQUENCES:  67
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Howson and Howson
;      STREET:  Spring House Corporate Cntr, P.O. Box 457
;      CITY:  Spring House
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19477
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/555,678
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/197,794
;      FILING DATE:  17-FEB-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/280,443
;      FILING DATE:  25-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/457,459
;      FILING DATE:  01-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bak, Mary E.
;      REGISTRATION NUMBER:  31,215
;      REFERENCE/DOCKET NUMBER:  WST49DUSA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-540-9206
;      TELEFAX:  215-540-5818
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  660 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-555-678-41


  Query Match             1.6%;  Score 17;  DB 1;  Length 660;
  Best Local Similarity   100.0%;  Pred. No. 63;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     288 AGTTTGGCCAACAGGAG 304
           |||||||||||||||||
Db     409 AGTTTGGCCAACAGGAG 393


RESULT  14
US-08-454-557C-13/c
; Sequence 13, Application US/08454557C
; Patent No. 5830670
;  GENERAL INFORMATION:
;    APPLICANT:  de la Monte, Suzanne
;    APPLICANT:  Wands, Jack R.
;    TITLE OF INVENTION:  Neural Thread Protein Gene Expression and Detection
;    TITLE OF INVENTION:  of Alzheimer's Disease
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox P.L.L.C.
;      STREET:  1100 New York Avenue, Suite 600
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
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;      APPLICATION NUMBER:  US/08/454,557C
;      FILING DATE:  30-MAY-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ludwig, Steven R.
;      REGISTRATION NUMBER:  36,203
;      REFERENCE/DOCKET NUMBER:  0609.3840003
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 371-2600
;      TELEFAX:  (202) 371-2540
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1443 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  both
US-08-454-557C-13


  Query Match             1.6%;  Score 17;  DB 2;  Length 1443;
  Best Local Similarity   100.0%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1023 ACCAAAAAATAACTTGT 1039
          |||||||||||||||||
Db    617 ACCAAAAAATAACTTGT 601


RESULT  15
US-08-340-426D-13/c
; Sequence 13, Application US/08340426D
; Patent No. 5948634
;  GENERAL INFORMATION:
;    APPLICANT:  de la Monte, Suzanne
;    APPLICANT:  Wands, Jack R.
;    TITLE OF INVENTION:  Neural Thread Protein Gene Expression and Detection
;    TITLE OF INVENTION:  of Alzheimer's Disease
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox P.L.L.C.
;      STREET:  1100 New York Avenue, Suite 600
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/340,426D
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ludwig, Steven R.
;      REGISTRATION NUMBER:  36,203
;      REFERENCE/DOCKET NUMBER:  0609.3840002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 371-2600
;      TELEFAX:  (202) 371-2540
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1443 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  both
US-08-340-426D-13


  Query Match             1.6%;  Score 17;  DB 2;  Length 1443;
  Best Local Similarity   100.0%;  Pred. No. 62;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1023 ACCAAAAAATAACTTGT 1039
          |||||||||||||||||
Db    617 ACCAAAAAATAACTTGT 601


Search completed: August 25, 2002, 07:37:36
Job time: 5126 sec
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